GLOSSARY OF DATA QUALIFIER CODES (ORGANIC)

CODES RELATED TO IDENTIFICATION

(confidence concerning presence or absence of analytes):

U = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

(NO CODE) = Confirmed identification.

B = Not detected substantially above the level reported in laboratory or field blanks.

R = Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

N = Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.

CODES RELATED TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

J = Analyte Present. Reported value may not be accurate or precise.

K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

UL = Not detected, quantitation limit is probably higher.

OTHER CODES

NJ = Qualitative identification questionable due to poor resolution. Presumptively present at approximate quantity.

Q = No analytical result.

Appendix B

Data Summary Forms

DATA SUMMARY FORM: Volatiles

Case #: 38146
Site :
Lab. :

SDG : C0071
LEMON RIDGE GARDEN
MITKEM

Number of Soil Samples : 20
Number of Water Samples : 0
Number of Sediment Samples : 0

Sample Number :		C0071		C0072		C0073		C0074RE		C0075RE	
Sampling Location : (Prefix: LRGI)		-DUP-01		-DUP-02		-SB-01-0203		-SB-02-0203		-SB-03-0203	
Field QC:		Dup of C0077		Dup of C0086							
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		10:00		15:25		08:25		08:40		09:00	
%Moisture :		19		20		16		19		20	
Dilution Factor :		0.83		1.09		1.0		0.88		0.86	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	5.0				UJ		UJ				
Chloromethane	5.0				UJ		UJ				
Vinyl chloride	5.0				UJ		UJ				
Bromomethane	5.0				UJ		UJ				
Chloroethane	5.0				UJ		UJ				
Trichlorofluoromethane	5.0				UJ		UJ				
1,1-Dichloroethene	5.0				UJ		UJ				
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0				UJ		UJ				
Acetone	10				UJ		UJ				
Carbon disulfide	5.0				UJ		UJ				
Methyl acetate	5.0				UJ		UJ				
Methylene chloride	5.0				UJ		UJ				
trans-1,2-Dichloroethene	5.0				UJ		UJ				
Methyl tert-butyl ether	5.0				UJ		UJ				
1,1-Dichloroethane	5.0				UJ		UJ				
cis-1,2-Dichloroethene	5.0				UJ		UJ				
2-Butanone	10				UJ		UJ				
Bromochloromethane	5.0				UJ		UJ				
Chloroform	5.0				UJ		UJ				
1,1,1-Trichloroethane	5.0				UJ		UJ		UJ		
Cyclohexane	5.0				UJ		UJ		UJ		
Carbon tetrachloride	5.0				UJ		UJ		UJ		
Benzene	5.0				UJ		UJ		UJ		
1,2-Dichloroethane	5.0				UJ		UJ				
1,4-Dioxane	100		R		R		R		R		R
Trichloroethene	5.0				UJ		UJ		UJ		
Methylcyclohexane	5.0				UJ		UJ		UJ		
1,2-Dichloropropane	5.0				UJ		UJ		UJ		
Bromodichloromethane	5.0				UJ		UJ		UJ		
cis-1,3-Dichloropropene	5.0				UJ		UJ		UJ		UL
4-Methyl-2-pentanone	10				UJ		UJ		UJ		R
Toluene	5.0				UJ		UJ		UJ		
trans-1,3-Dichloropropene	5.0				UJ		UJ		UJ		UL

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0071		C0072		C0073		C0074RE		C0075RE	
Sampling Location : (Prefix: LRGI)		-DUP-01		-DUP-02		-SB-01-0203		-SB-02-0203		-SB-03-0203	
Field QC:		Dup of C0077		Dup of C0086							
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		10:00		15:25		08:25		08:40		09:00	
%Moisture :		19		20		16		19		20	
Dilution Factor :		0.83		1.09		1.0		0.88		0.86	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	5.0				UJ		UJ		UJ		UL
Tetrachloroethene	5.0				UJ		UJ		UJ		
2-Hexanone	10				UJ		UJ		UJ		R
Dibromochloromethane	5.0				UJ		UJ		UJ		
1,2-Dibromoethane	5.0				UJ		UJ		UJ		
Chlorobenzene	5.0				UJ		UJ		UJ		
Ethylbenzene	5.0				UJ		UJ		UJ		
o-Xylene	5.0				UJ		UJ		UJ		
m,p-Xylene	5.0				UJ		UJ		UJ		
Styrene	5.0				UJ		UJ		UJ		
Bromoform	5.0				UJ		UJ		UJ		UJ
Isopropylbenzene	5.0				UJ		UJ		UJ		
1,1,2,2-Tetrachloroethane	5.0				UJ		UJ		UJ		
1,3-Dichlorobenzene	5.0				UJ		UJ		UJ		UJ
1,4-Dichlorobenzene	5.0				UJ		UJ		UJ		UJ
1,2-Dichlorobenzene	5.0				UJ		UJ		UJ		UJ
1,2-Dibromo-3-chloropropane	5.0				UJ		UJ		UJ		UJ
1,2,4-Trichlorobenzene	5.0				UJ		UJ		UJ		UJ
1,2,3-Trichlorobenzene	5.0				UJ		UJ		UJ		UJ

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100] Revised 09/99

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0076RE		C0077RE		C0078RE		C0079		C0080	
Sampling Location : (Prefix: LRGI)		-SB-04-0203		-SB-05-0203		-SB-06-0203		-SB-07-0203		-SS-01	
Field QC:				Dup of C0071							
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		09:20		09:50		10:20		11:05		08:10	
%Moisture :		15		19		20		16		14	
Dilution Factor :		0.83		0.82		0.98		0.86		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	5.0		UJ		UJ				UJ		
Chloromethane	5.0		UJ		UJ				UJ		
Vinyl chloride	5.0		UJ		UJ				UJ		
Bromomethane	5.0		UJ		UJ				UJ		
Chloroethane	5.0		UJ		UJ				UJ		
Trichlorofluoromethane	5.0		UJ		UJ				UJ		
1,1-Dichloroethene	5.0		UJ		UJ				UJ		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0		UJ		UJ				UJ		
Acetone	10		UJ		UJ		R		UJ		
Carbon disulfide	5.0		UJ		UJ				UJ		
Methyl acetate	5.0		UJ		UJ				UJ		
Methylene chloride	5.0		UJ		UJ				UJ		
trans-1,2-Dichloroethene	5.0		UJ		UJ				UJ		
Methyl tert-butyl ether	5.0		UJ		UJ				UJ		
1,1-Dichloroethane	5.0		UJ		UJ				UJ		
cis-1,2-Dichloroethene	5.0		UJ		UJ				UJ		
2-Butanone	10		UJ		UJ		R		UJ		
Bromochloromethane	5.0		UJ		UJ				UJ		
Chloroform	5.0		UJ		UJ				UJ		
1,1,1-Trichloroethane	5.0		UJ		UJ		UJ		UJ		
Cyclohexane	5.0		UJ		UJ		UJ		UJ		
Carbon tetrachloride	5.0		UJ		UJ		UJ		UJ		
Benzene	5.0		UJ		UJ		UJ		UJ		
1,2-Dichloroethane	5.0		UJ		UJ				UJ		
1,4-Dioxane	100		R		R		R		R		R
Trichloroethene	5.0		UJ		UJ		UJ		UJ		
Methylcyclohexane	5.0		UJ		UJ		UJ		UJ		
1,2-Dichloropropane	5.0		UJ		UJ		UJ		UJ		
Bromodichloromethane	5.0		UJ		UJ		UJ		UJ		
cis-1,3-Dichloropropene	5.0		UJ		UJ		UJ		UJ		
4-Methyl-2-pentanone	10		R		R		R		UJ		
Toluene	5.0		UJ		UJ		UJ		UJ		
trans-1,3-Dichloropropene	5.0		UJ		UJ		UJ		UJ		

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0076RE		C0077RE		C0078RE		C0079		C0080	
Sampling Location : (Prefix: LRGI)		-SB-04-0203		-SB-05-0203		-SB-06-0203		-SB-07-0203		-SS-01	
Field QC:				Dup of C0071							
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		09:20		09:50		10:20		11:05		08:10	
%Moisture :		15		19		20		16		14	
Dilution Factor :		0.83		0.82		0.98		0.86		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	5.0		UJ		UJ		UJ		UJ		
Tetrachloroethene	5.0		UJ		UJ		UJ		UJ		
2-Hexanone	10		R		R		R		UJ		
Dibromochloromethane	5.0		UJ		UJ		UJ		UJ		
1,2-Dibromoethane	5.0		UJ		UJ		UJ		UJ		
Chlorobenzene	5.0		UJ		UJ		UJ		UJ		
Ethylbenzene	5.0		UJ		UJ		UJ		UJ		
o-Xylene	5.0		UJ		UJ		UJ		UJ		
m,p-Xylene	5.0		UJ		UJ		UJ		UJ		
Styrene	5.0		UJ		UJ		UJ		UJ		
Bromoform	5.0		UJ		UJ		UJ		UJ		
Isopropylbenzene	5.0		UJ		UJ		UJ		UJ		
1,1,2,2-Tetrachloroethane	5.0		UJ		UJ		UJ		UJ		
1,3-Dichlorobenzene	5.0		UJ		UJ		UJ		UJ		
1,4-Dichlorobenzene	5.0		UJ		UJ		UJ		UJ		
1,2-Dichlorobenzene	5.0		UJ		UJ		UJ		UJ		
1,2-Dibromo-3-chloropropane	5.0		UJ		UJ		UJ		UJ		
1,2,4-Trichlorobenzene	5.0		UJ		UJ		UJ		UJ		
1,2,3-Trichlorobenzene	5.0		UJ		UJ		UJ		UJ		

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100] Revised 09/99

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0081		C0082		C0084		C0085RE		C0086	
Sampling Location : (Prefix: LRGI)		-SS-02		-SS-03		-SS-05		-SS-06		-SS-07	
Field QC:										Dup of C0072	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		08:25		08:50		09:40		10:05		10:25	
%Moisture :		26		16		20		24		19	
Dilution Factor :		1.32		0.88		1.25		1.06		1.09	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	5.0						UJ				
Chloromethane	5.0						UJ				
Vinyl chloride	5.0						UJ				
Bromomethane	5.0						UJ				
Chloroethane	5.0						UJ				
Trichlorofluoromethane	5.0						UJ				
1,1-Dichloroethene	5.0						UJ				
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0						UJ				
Acetone	10						UJ				
Carbon disulfide	5.0						UJ				
Methyl acetate	5.0						UJ				
Methylene chloride	5.0						UJ				
trans-1,2-Dichloroethene	5.0						UJ				
Methyl tert-butyl ether	5.0						UJ				
1,1-Dichloroethane	5.0						UJ				
cis-1,2-Dichloroethene	5.0						UJ				
2-Butanone	10						UJ				
Bromochloromethane	5.0						UJ				
Chloroform	5.0						UJ				
1,1,1-Trichloroethane	5.0						UJ				
Cyclohexane	5.0						UJ				
Carbon tetrachloride	5.0						UJ				
Benzene	5.0						UJ				
1,2-Dichloroethane	5.0						UJ				
1,4-Dioxane	100		R		R		R		R		R
Trichloroethene	5.0						UJ				
Methylcyclohexane	5.0						UJ				
1,2-Dichloropropane	5.0						UJ				
Bromodichloromethane	5.0						UJ				
cis-1,3-Dichloropropene	5.0						UJ				
4-Methyl-2-pentanone	10						UJ				
Toluene	5.0						UJ				
trans-1,3-Dichloropropene	5.0						UJ				

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0081		C0082		C0084		C0085RE		C0086	
Sampling Location : (Prefix: LRGI)		-SS-02		-SS-03		-SS-05		-SS-06		-SS-07	
Field QC:										Dup of C0072	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		08:25		08:50		09:40		10:05		10:25	
%Moisture :		26		16		20		24		19	
Dilution Factor :		1.32		0.88		1.25		1.06		1.09	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	5.0						UJ				
Tetrachloroethene	5.0						UJ				
2-Hexanone	10						UJ				
Dibromochloromethane	5.0						UJ				
1,2-Dibromoethane	5.0						UJ				
Chlorobenzene	5.0						UJ				
Ethylbenzene	5.0						UJ				
o-Xylene	5.0						UJ				
m,p-Xylene	5.0						UJ				
Styrene	5.0						UJ				
Bromoform	5.0						UJ		UJ		
Isopropylbenzene	5.0						UJ				
1,1,2,2-Tetrachloroethane	5.0						UJ				
1,3-Dichlorobenzene	5.0						UJ		UJ		
1,4-Dichlorobenzene	5.0						UJ		UJ		
1,2-Dichlorobenzene	5.0						UJ		UJ		
1,2-Dibromo-3-chloropropane	5.0						UJ		UJ		
1,2,4-Trichlorobenzene	5.0						UJ		UJ		
1,2,3-Trichlorobenzene	5.0						UJ		UJ		

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100] Revised 09/99

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0087		C0088		C0089RE		C0090RE		C0091	
Sampling Location : (Prefix: LRGI)		-SS-04		-SB-08-0203		-SB-09-0203		-SB-10-0203		-SB-11-0203	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		09:15		11:25		11:40		12:10		12:45	
%Moisture :		15		18		20		19		18	
Dilution Factor :		0.83		0.88		0.91		0.79		0.91	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	5.0										
Chloromethane	5.0										
Vinyl chloride	5.0										
Bromomethane	5.0										
Chloroethane	5.0										
Trichlorofluoromethane	5.0										
1,1-Dichloroethene	5.0										
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0										
Acetone	10										
Carbon disulfide	5.0										
Methyl acetate	5.0										
Methylene chloride	5.0										
trans-1,2-Dichloroethene	5.0										
Methyl tert-butyl ether	5.0										
1,1-Dichloroethane	5.0										
cis-1,2-Dichloroethene	5.0										
2-Butanone	10										
Bromochloromethane	5.0										
Chloroform	5.0										
1,1,1-Trichloroethane	5.0						UJ		UJ		
Cyclohexane	5.0						UJ		UJ		
Carbon tetrachloride	5.0						UJ		UJ		
Benzene	5.0						UJ		UJ		
1,2-Dichloroethane	5.0										
1,4-Dioxane	100		R		R		R		R		R
Trichloroethene	5.0						UJ		UJ		
Methylcyclohexane	5.0						UJ		UJ		
1,2-Dichloropropane	5.0						UJ		UJ		
Bromodichloromethane	5.0						UJ		UJ		
cis-1,3-Dichloropropene	5.0						UJ		UJ		
4-Methyl-2-pentanone	10				R		UJ		UJ		
Toluene	5.0						UJ		UJ		
trans-1,3-Dichloropropene	5.0						UJ		UJ		

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0087		C0088		C0089RE		C0090RE		C0091	
Sampling Location : (Prefix: LRGI)		-SS-04		-SB-08-0203		-SB-09-0203		-SB-10-0203		-SB-11-0203	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		09:15		11:25		11:40		12:10		12:45	
%Moisture :		15		18		20		19		18	
Dilution Factor :		0.83		0.88		0.91		0.79		0.91	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	5.0						UJ		UJ		
Tetrachloroethene	5.0						UJ		UJ		
2-Hexanone	10				R		UJ		UJ		
Dibromochloromethane	5.0						UJ		UJ		
1,2-Dibromoethane	5.0						UJ		UJ		
Chlorobenzene	5.0						UJ		UJ		
Ethylbenzene	5.0						UJ		UJ		
o-Xylene	5.0						UJ		UJ		
m,p-Xylene	5.0						UJ		UJ		
Styrene	5.0						UJ		UJ		
Bromoform	5.0						UJ		UJ		
Isopropylbenzene	5.0						UJ		UJ		
1,1,2,2-Tetrachloroethane	5.0						UJ		UJ		
1,3-Dichlorobenzene	5.0						UJ		UJ		
1,4-Dichlorobenzene	5.0						UJ		UJ		
1,2-Dichlorobenzene	5.0						UJ		UJ		
1,2-Dibromo-3-chloropropane	5.0						UJ		UJ		
1,2,4-Trichlorobenzene	5.0						UJ		UJ		
1,2,3-Trichlorobenzene	5.0						UJ		UJ		

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100] Revised 09/99

Case #: 38146 SDG : C0092 Number of Soil Samples : 4
Site : LEMON RIDGE GARDEN Number of Water Samples : 0
Lab. : MITKEM Number of Sediment Samples : 0

Sample Number :		C0092		C0093		C0094		C0095			
Sampling Location : (Prefix: LRGI)		-SS-08		-SS-09		-SS-10		-SS-11			
Matrix :		Soil		Soil		Soil		Soil			
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008			
Time Sampled :		13:30		11:55		12:20		13:00			
%Moisture :		23		25		20		26			
Dilution Factor :		1.04		0.89		0.89		1.09			
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	5.0										
Chloromethane	5.0										
Vinyl chloride	5.0										
Bromomethane	5.0										
Chloroethane	5.0										
Trichlorofluoromethane	5.0										
1,1-Dichloroethene	5.0										
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0										
Acetone	10										
Carbon disulfide	5.0										
Methyl acetate	5.0										
Methylene chloride	5.0										
trans-1,2-Dichloroethene	5.0										
Methyl tert-butyl ether	5.0										
1,1-Dichloroethane	5.0										
cis-1,2-Dichloroethene	5.0										
2-Butanone	10										
Bromochloromethane	5.0										
Chloroform	5.0										
1,1,1-Trichloroethane	5.0										
Cyclohexane	5.0										
Carbon tetrachloride	5.0										
Benzene	5.0										
1,2-Dichloroethane	5.0										
1,4-Dioxane	100		R		R		R		R		
Trichloroethene	5.0										
Methylcyclohexane	5.0										
1,2-Dichloropropane	5.0										
Bromodichloromethane	5.0										
cis-1,3-Dichloropropene	5.0										
4-Methyl-2-pentanone	10										
Toluene	5.0										
trans-1,3-Dichloropropene	5.0										

Case #: 38146 SDG : C0092
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0092		C0093		C0094		C0095			
Sampling Location : (Prefix: LRGI)		-SS-08		-SS-09		-SS-10		-SS-11			
Matrix :		Soil		Soil		Soil		Soil			
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008			
Time Sampled :		13:30		11:55		12:20		13:00			
%Moisture :		23		25		20		26			
Dilution Factor :		1.04		0.89		0.89		1.09			
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	5.0										
Tetrachloroethene	5.0										
2-Hexanone	10										
Dibromochloromethane	5.0										
1,2-Dibromoethane	5.0										
Chlorobenzene	5.0										
Ethylbenzene	5.0										
o-Xylene	5.0										
m,p-Xylene	5.0										
Styrene	5.0										
Bromoform	5.0										
Isopropylbenzene	5.0										
1,1,2,2-Tetrachloroethane	5.0										
1,3-Dichlorobenzene	5.0										
1,4-Dichlorobenzene	5.0										
1,2-Dichlorobenzene	5.0										
1,2-Dibromo-3-chloropropane	5.0										
1,2,4-Trichlorobenzene	5.0										
1,2,3-Trichlorobenzene	5.0										

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100] Revised 09/99

Case #: 38146 SDG : C0071 Number of Soil Samples : 20
Site : LEMON RIDGE GARDEN Number of Water Samples : 0
Lab. : MITKEM Number of Sediment Samples : 0

Sample Number :		C0071		C0072		C0073		C0074		C0075	
Sampling Location : (Prefix: LRGI)		-DUP-01		-DUP-02		-SB-01-0203		-SB-02-0203		-SB-03-0203	
Field QC:		Dup of C0077		Dup of C0086							
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		10:00		15:25		08:25		08:40		09:00	
%Moisture :		19		20		16		19		20	
Dilution Factor :		0.98		0.99		0.99/7.92		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	170										
Phenol	170										
Bis(2-chloroethyl)ether	170										
2-Chlorophenol	170										
2-Methylphenol	170					22	J				
2,2'-Oxybis(1-chloropropane)	170										
Acetophenone	170										
4-Methylphenol	170					65	J				
N-Nitroso-di-n-propylamine	170										
Hexachloroethane	170										
Nitrobenzene	170										
Isophorone	170										
2-Nitrophenol	170										
2,4-Dimethylphenol	170					34	J				
Bis(2-chloroethoxy)methane	170										
2,4-Dichlorophenol	170										
Naphthalene	170			73	J	1400		150	J		
4-Chloroaniline	170										
Hexachlorobutadiene	170										
Caprolactam	170										
4-Chloro-3-methylphenol	170										
2-Methylnaphthalene	170			37	J	750		110	J		
Hexachlorocyclopentadiene	170						UJ				
2,4,6-Trichlorophenol	170										
2,4,5-Trichlorophenol	170										
1,1'-Biphenyl	170					210		23	J		
2-Chloronaphthalene	170										
2-Nitroaniline	330										
Dimethylphthalate	170										
2,6-Dinitrotoluene	170										
Acenaphthylene	170			28	J	420		150	J		
3-Nitroaniline	330										
Acenaphthene	170			130	J	1600		210			

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0071		C0072		C0073		C0074		C0075	
Sampling Location : (Prefix: LRGI)		-DUP-01		-DUP-02		-SB-01-0203		-SB-02-0203		-SB-03-0203	
Field QC:		Dup of C0077		Dup of C0086							
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		10:00		15:25		08:25		08:40		09:00	
%Moisture :		19		20		16		19		20	
Dilution Factor :		0.98		0.99		0.99/7.92		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	330						R				
4-Nitrophenol	330										
Dibenzofuran	170			83	J	1500		180	J		
2,4-Dinitrotoluene	170										
Diethylphthalate	170										
Fluorene	170			110	J	1100		190	J		
4-Chlorophenyl-phenylether	170										
4-Nitroaniline	330										
4,6-Dinitro-2-methylphenol	330						UJ				
N-Nitrosodiphenylamine	170										
1,2,4,5-Tetrachlorobenzene	170										
4-Bromophenyl-phenylether	170										
Hexachlorobenzene	170										
Atrazine	170										
Pentachlorophenol	330										
Phenanthrene	170	100	J	1300		22000 +		2700		26	J
Anthracene	170	37	J	280		2400		470			
Carbazole	170			150	J	1600		280			
Di-n-butylphthalate	170	38	B	61	B	46	B	190	B	43	B
Fluoranthene	170	220		1400		21000 +		2900		83	J
Pyrene	170	210	J	1300		19000 +		2700		76	J
Butylbenzylphthalate	170										
3,3'-Dichlorobenzidine	170										
Benzo(a)anthracene	170	160	J	830		12000 +		1600		53	J
Chrysene	170	120	J	630		11000 +		1700		49	J
Bis(2-ethylhexyl)phthalate	170			99	J			74	J		
Di-n-octylphthalate	170										
Benzo(b)fluoranthene	170	150	J	790		14000 +		1900		65	J
Benzo(k)fluoranthene	170	90	J	410		2100		1100		27	J
Benzo(a)pyrene	170	120	J	590		9500 +		1400		43	J
Indeno(1,2,3-cd)pyrene	170	65	J	340		4700 +		890		26	J
Dibenzo(a,h)anthracene	170	25	J	120	J	1400		310			
Benzo(g,h,i)perylene	170	42	J	160	J	1600		470			
2,3,4,6-Tetrachlorophenol	170										

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100] Revised 09/99

+ = Results reported from dilution

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0076		C0077		C0078		C0079		C0080	
Sampling Location : (Prefix: LRGI)		-SB-04-0203		-SB-05-0203		-SB-06-0203		-SB-07-0203		-SS-01	
Field QC:				Dup of C0071							
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		09:20		09:50		10:20		11:05		08:10	
%Moisture :		15		19		20		16		14	
Dilution Factor :		1.0		0.99		1.0		1.0		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	170	100	J								
Phenol	170										
Bis(2-chloroethyl)ether	170										
2-Chlorophenol	170										
2-Methylphenol	170										
2,2'-Oxybis(1-chloropropane)	170										
Acetophenone	170										
4-Methylphenol	170										
N-Nitroso-di-n-propylamine	170										
Hexachloroethane	170										
Nitrobenzene	170										
Isophorone	170										
2-Nitrophenol	170										
2,4-Dimethylphenol	170										
Bis(2-chloroethoxy)methane	170										
2,4-Dichlorophenol	170										
Naphthalene	170					38	J	36	J	26	J
4-Chloroaniline	170										
Hexachlorobutadiene	170										
Caprolactam	170										
4-Chloro-3-methylphenol	170										
2-Methylnaphthalene	170					44	J			22	J
Hexachlorocyclopentadiene	170										UJ
2,4,6-Trichlorophenol	170										
2,4,5-Trichlorophenol	170										
1,1'-Biphenyl	170										
2-Chloronaphthalene	170										
2-Nitroaniline	330										
Dimethylphthalate	170										
2,6-Dinitrotoluene	170										
Acenaphthylene	170					25	J	32	J	59	J
3-Nitroaniline	330										
Acenaphthene	170					73	J	79	J	37	J

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0076		C0077		C0078		C0079		C0080	
Sampling Location : (Prefix: LRGI)		-SB-04-0203		-SB-05-0203		-SB-06-0203		-SB-07-0203		-SS-01	
Field QC:				Dup of C0071							
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		09:20		09:50		10:20		11:05		08:10	
%Moisture :		15		19		20		16		14	
Dilution Factor :		1.0		0.99		1.0		1.0		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	330										UJ
4-Nitrophenol	330										
Dibenzofuran	170					49	J	47	J	27	J
2,4-Dinitrotoluene	170										
Diethylphthalate	170										
Fluorene	170					89	J	72	J	37	J
4-Chlorophenyl-phenylether	170										
4-Nitroaniline	330										
4,6-Dinitro-2-methylphenol	330										
N-Nitrosodiphenylamine	170										
1,2,4,5-Tetrachlorobenzene	170										
4-Bromophenyl-phenylether	170										
Hexachlorobenzene	170										
Atrazine	170										
Pentachlorophenol	330										
Phenanthrene	170			80	J	900		860		530	
Anthracene	170					220		210		130	J
Carbazole	170					79	J	110	J	61	J
Di-n-butylphthalate	170	35	B	41	B	40	B	47	B	260	B
Fluoranthene	170			130	J	1100		1200		810	
Pyrene	170			120	J	900		1000		800	
Butylbenzylphthalate	170										
3,3'-Dichlorobenzidine	170										
Benzo(a)anthracene	170			81	J	600		710		580	
Chrysene	170			72	J	490		590		500	
Bis(2-ethylhexyl)phthalate	170									75	J
Di-n-octylphthalate	170										
Benzo(b)fluoranthene	170			99	J	650		850		740	J
Benzo(k)fluoranthene	170			35	J	260		290		380	
Benzo(a)pyrene	170			68	J	430		580		490	
Indeno(1,2,3-cd)pyrene	170			39	J	260		350		340	
Dibenzo(a,h)anthracene	170					96	J	120	J	120	J
Benzo(g,h,i)perylene	170					83	J	160	J	280	
2,3,4,6-Tetrachlorophenol	170										

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100] Revised 09/99

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0081		C0082		C0084		C0085		C0086	
Sampling Location : (Prefix: LRGI)		-SS-02		-SS-03		-SS-05		-SS-06		-SS-07	
Field QC:										Dup of C0072	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		08:25		08:50		09:40		10:05		10:25	
%Moisture :		26		16		20		24		19	
Dilution Factor :		1.0/2.0		0.99		0.99/99		1.0/8.0		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	170							87	J		
Phenol	170					55	J				
Bis(2-chloroethyl)ether	170										
2-Chlorophenol	170										
2-Methylphenol	170										
2,2'-Oxybis(1-chloropropane)	170										
Acetophenone	170							58	J		
4-Methylphenol	170							78	J		
N-Nitroso-di-n-propylamine	170										
Hexachloroethane	170										
Nitrobenzene	170										
Isophorone	170										
2-Nitrophenol	170										
2,4-Dimethylphenol	170										
Bis(2-chloroethoxy)methane	170										
2,4-Dichlorophenol	170										
Naphthalene	170	390				220		510		31	J
4-Chloroaniline	170		R								
Hexachlorobutadiene	170										
Caprolactam	170										
4-Chloro-3-methylphenol	170										
2-Methylnaphthalene	170	320				160	J	360		24	J
Hexachlorocyclopentadiene	170		R				UJ		UJ		
2,4,6-Trichlorophenol	170										
2,4,5-Trichlorophenol	170										
1,1'-Biphenyl	170	40	J			36	J	93	J		
2-Chloronaphthalene	170										
2-Nitroaniline	330										
Dimethylphthalate	170										
2,6-Dinitrotoluene	170										
Acenaphthylene	170	310		45	J	330		1400		64	J
3-Nitroaniline	330										
Acenaphthene	170	210	J	33	J	410		1100		97	J

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0081		C0082		C0084		C0085		C0086	
Sampling Location : (Prefix: LRGI)		-SS-02		-SS-03		-SS-05		-SS-06		-SS-07	
Field QC:										Dup of C0072	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		08:25		08:50		09:40		10:05		10:25	
%Moisture :		26		16		20		24		19	
Dilution Factor :		1.0/2.0		0.99		0.99/99		1.0/8.0		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	330		R				R		R		
4-Nitrophenol	330										
Dibenzofuran	170	230	J	22	J	260		770		53	J
2,4-Dinitrotoluene	170										
Diethylphthalate	170										
Fluorene	170	210	J	32	J	420		1200		87	J
4-Chlorophenyl-phenylether	170										
4-Nitroaniline	330										
4,6-Dinitro-2-methylphenol	330		UJ				UJ		UJ		
N-Nitrosodiphenylamine	170										
1,2,4,5-Tetrachlorobenzene	170										
4-Bromophenyl-phenylether	170										
Hexachlorobenzene	170										
Atrazine	170										
Pentachlorophenol	330										
Phenanthrene	170	3300		540		10000 +	J	17000 +		1200	
Anthracene	170	730		110	J	1300		3300		260	
Carbazole	170	450		70	J	590		1800		120	J
Di-n-butylphthalate	170	620		48	B	390		6600 +		81	B
Fluoranthene	170	4500 +		900		16000 +	J	21000 +		1700	
Pyrene	170	3500		770		15000 +	J	26000 +		1500	
Butylbenzylphthalate	170					360		1700		38	J
3,3'-Dichlorobenzidine	170		R								
Benzo(a)anthracene	170	2600		530		2800		14000 +		980	
Chrysene	170	2300		460		7900 +	J	16000 +		820	
Bis(2-ethylhexyl)phthalate	170	450		59	J	220000 +		20000 +		530	
Di-n-octylphthalate	170					650		160	J		
Benzo(b)fluoranthene	170	2800	J	540		10000 +	J	17000 +		1000	
Benzo(k)fluoranthene	170	1500		330		1500		2400		560	
Benzo(a)pyrene	170	2100		400		2900		13000 +		760	
Indeno(1,2,3-cd)pyrene	170	1500		250		2100		7300 +		470	
Dibenzo(a,h)anthracene	170	530		89	J	680		2100		160	J
Benzo(g,h,i)perylene	170	1100		130	J	1500		5300 +		190	J
2,3,4,6-Tetrachlorophenol	170										

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100] Revised 09/99

+ = Results reported from dilution

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0087		C0088		C0089		C0090		C0091	
Sampling Location : (Prefix: LRGI)		-SS-04		-SB-08-0203		-SB-09-0203		-SB-10-0203		-SB-11-0203	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		09:15		11:25		11:40		12:10		12:45	
%Moisture :		15		18		20		19		18	
Dilution Factor :		0.99/1.99		30.0/120		0.99/15.89		1.0/2.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	170	67	J								
Phenol	170										
Bis(2-chloroethyl)ether	170										
2-Chlorophenol	170										
2-Methylphenol	170					42	J				
2,2'-Oxybis(1-chloropropane)	170										
Acetophenone	170										
4-Methylphenol	170					140	J				
N-Nitroso-di-n-propylamine	170										
Hexachloroethane	170										
Nitrobenzene	170										
Isophorone	170										
2-Nitrophenol	170										
2,4-Dimethylphenol	170					62	J				
Bis(2-chloroethoxy)methane	170										
2,4-Dichlorophenol	170										
Naphthalene	170	72	J	22000		2400		300			
4-Chloroaniline	170										
Hexachlorobutadiene	170										
Caprolactam	170										
4-Chloro-3-methylphenol	170										
2-Methylnaphthalene	170	55	J	15000		1100		280			
Hexachlorocyclopentadiene	170		UJ		UJ		UJ		UJ		
2,4,6-Trichlorophenol	170										
2,4,5-Trichlorophenol	170										
1,1'-Biphenyl	170			3300	J	320		40	J		
2-Chloronaphthalene	170										
2-Nitroaniline	330										
Dimethylphthalate	170										
2,6-Dinitrotoluene	170										
Acenaphthylene	170	210		9000		730		310			
3-Nitroaniline	330										
Acenaphthene	170	180	J	23000		3100		350			

Case #: 38146 SDG : C0071
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0087		C0088		C0089		C0090		C0091	
Sampling Location : (Prefix: LRGI)		-SS-04		-SB-08-0203		-SB-09-0203		-SB-10-0203		-SB-11-0203	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008		12/22/2008	
Time Sampled :		09:15		11:25		11:40		12:10		12:45	
%Moisture :		15		18		20		19		18	
Dilution Factor :		0.99/1.99		30.0/120		0.99/15.89		1.0/2.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	330		R		UJ		R		R		
4-Nitrophenol	330										
Dibenzofuran	170	110	J	10000		2300		250			
2,4-Dinitrotoluene	170										
Diethylphthalate	170										
Fluorene	170	170	J	24000		3300		360			
4-Chlorophenyl-phenylether	170										
4-Nitroaniline	330										
4,6-Dinitro-2-methylphenol	330		UJ				UJ		UJ		
N-Nitrosodiphenylamine	170										
1,2,4,5-Tetrachlorobenzene	170										
4-Bromophenyl-phenylether	170										
Hexachlorobenzene	170										
Atrazine	170										
Pentachlorophenol	330										
Phenanthrene	170	2700		210000 +		28000 +		4300 +		110	J
Anthracene	170	600		48000		8100 +		1100		23	J
Carbazole	170	300		8000		4700 +		540			
Di-n-butylphthalate	170	240	B			120	B	300	B	48	B
Fluoranthene	170	4200 +		140000 +		27000 +		5000 +		170	J
Pyrene	170	4200 +		200000 +		26000 +		5200 +		160	J
Butylbenzylphthalate	170					180	J	3000			
3,3'-Dichlorobenzidine	170										
Benzo(a)anthracene	170	2600		100000 +		17000 +		3000		100	J
Chrysene	170	2200		95000		13000 +		3100		91	J
Bis(2-ethylhexyl)phthalate	170	130	J	1600	J	430		1500		54	J
Di-n-octylphthalate	170							1500			
Benzo(b)fluoranthene	170	3000	J	94000 +		16000 +		2700	J	120	J
Benzo(k)fluoranthene	170	1500		32000		3200		1800		67	J
Benzo(a)pyrene	170	2300		86000		12000 +		2500		84	J
Indeno(1,2,3-cd)pyrene	170	1500		36000		5600 +		1600		59	J
Dibenzo(a,h)anthracene	170	480		15000		2400		690			
Benzo(g,h,i)perylene	170	1200		33000		2200		1100		32	J
2,3,4,6-Tetrachlorophenol	170										

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100] Revised 09/99

+ = Results reported from dilution

Case #: 38146 SDG : C0092 Number of Soil Samples : 4
Site : LEMON RIDGE GARDEN Number of Water Samples : 0
Lab. : MITKEM Number of Sediment Samples : 0

Sample Number :		C0092		C0093		C0094		C0095			
Sampling Location : (Prefix: LRGI)		-SS-08		-SS-09		-SS-10		-SS-11			
Matrix :		Soil		Soil		Soil		Soil			
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008			
Time Sampled :		13:30		11:55		12:20		13:00			
%Moisture :		23		25		20		26			
Dilution Factor :		1.0/2.0		1.0/20.0		0.98/1.97		1.0/10.0			
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	170					190	J	110	J		
Phenol	170										
Bis(2-chloroethyl)ether	170										
2-Chlorophenol	170										
2-Methylphenol	170			24	J						
2,2'-Oxybis(1-chloropropane)	170										
Acetophenone	170							73	J		
4-Methylphenol	170			45	J	32	J				
N-Nitroso-di-n-propylamine	170										
Hexachloroethane	170										
Nitrobenzene	170										
Isophorone	170										
2-Nitrophenol	170										
2,4-Dimethylphenol	170										
Bis(2-chloroethoxy)methane	170										
2,4-Dichlorophenol	170										
Naphthalene	170	260		760		42	J	110	J		
4-Chloroaniline	170				R				R		
Hexachlorobutadiene	170										
Caprolactam	170		UL								
4-Chloro-3-methylphenol	170										
2-Methylnaphthalene	170	160	J	480		38	J	85	J		
Hexachlorocyclopentadiene	170				R		UJ		R		
2,4,6-Trichlorophenol	170										
2,4,5-Trichlorophenol	170										
1,1'-Biphenyl	170	40	J	150	J						
2-Chloronaphthalene	170										
2-Nitroaniline	330										
Dimethylphthalate	170		UL					44	J		
2,6-Dinitrotoluene	170										
Acenaphthylene	170	240		550		65	J	61	J		
3-Nitroaniline	330										
Acenaphthene	170	440		1100		85	J	180	J		

Case #: 38146 SDG : C0092
Site : LEMON RIDGE GARDEN
Lab. : MITKEM

Sample Number :		C0092		C0093		C0094		C0095			
Sampling Location : (Prefix: LRGI)		-SS-08		-SS-09		-SS-10		-SS-11			
Matrix :		Soil		Soil		Soil		Soil			
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :		12/22/2008		12/22/2008		12/22/2008		12/22/2008			
Time Sampled :		13:30		11:55		12:20		13:00			
%Moisture :		23		25		20		26			
Dilution Factor :		1.0/2.0		1.0/20.0		0.98/1.97		1.0/10.0			
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	330				R		R		R		
4-Nitrophenol	330										
Dibenzofuran	170	340	L	880		65	J	94	J		
2,4-Dinitrotoluene	170										
Diethylphthalate	170		UL								
Fluorene	170	520	L	820		70	J	100	J		
4-Chlorophenyl-phenylether	170		UL								
4-Nitroaniline	330										
4,6-Dinitro-2-methylphenol	330				UJ		UJ		UJ		
N-Nitrosodiphenylamine	170										
1,2,4,5-Tetrachlorobenzene	170										
4-Bromophenyl-phenylether	170		UL								
Hexachlorobenzene	170										
Atrazine	170										
Pentachlorophenol	330				UJ		UJ		UJ		
Phenanthrene	170	3300		16000 +		1500		2300			
Anthracene	170	1200		1900		230		320			
Carbazole	170	650	L	670		120	J	230	J		
Di-n-butylphthalate	170	48	J	750				230	B		
Fluoranthene	170	5300 +		14000 +	J	2000		2900	J		
Pyrene	170	6500 +	J	21000 +	J	2400 +	J	4600 +	J		
Butylbenzylphthalate	170	28	J	500	J	300	J	1100	J		
3,3'-Dichlorobenzidine	170				R		UJ		R		
Benzo(a)anthracene	170	3000	L	10000 +	J	1400	J	2900	J		
Chrysene	170	2800	L	8100 +	J	1400	J	2600	J		
Bis(2-ethylhexyl)phthalate	170	120	B	750	J	380	B	17000 +	J		
Di-n-octylphthalate	170		UL		UJ		UJ	960	J		
Benzo(b)fluoranthene	170	2800	J	11000 +	J	2300	J	3300 +	J		
Benzo(k)fluoranthene	170	2100	J	4100 +	J	700	J	2200	J		
Benzo(a)pyrene	170	2600	L	4800 +	J	960	J	2200	J		
Indeno(1,2,3-cd)pyrene	170	1500	L	2600	J	420	J	990	J		
Dibenzo(a,h)anthracene	170	710	L	1100	J	170	J	320	J		
Benzo(g,h,i)perylene	170	890	L	310	J	82	J	270	J		
2,3,4,6-Tetrachlorophenol	170										

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100] Revised 09/99

+ = Results reported from dilution

Appendix C

Chain-of-Custody Records

U.S. EPA Region III Analytical Request Form

Revision 10.06

ASQAB USE ONLY		
RAS#	CT4439	Analytical TAT
DAS#		14 DAYS
NSF#		

35146

Date: 12/9/2008	Site Activity: EPA R3-Lead Targeted Brownfields Assessment		
Site Name: Lemon Ridge Garden		Street Address: Ridge Ave and Mt. Vernon St.	
City: Philadelphia	State: PA	Latitude:	Longitude:
Program: Brownfields	Acct. #: 2009 B 03N 402D43C 0300BZ00	CERCLIS #: BROWNFIELDS	
Site ID:	Spill ID:	Operable Unit:	
Site Specific QA Plan Submitted: ☐ No ☒ Yes	Title: SAP for Phase II ESA at Lemon Ridge Gardens, Inc.		Date Approved: submitted 11/2008, pending
EPA Project Leader: Phil Rotstein	Phone#: 215-814-3232	Cell Phone #:	E-mail: Rotstein.Phil@epamail.epa.gov
Request Preparer: Megan Ritchie	Phone#: 610-382-1527	Cell Phone #:	E-mail: megan.ritchie@tetratech.com
Site Leader: Andy Frebowitz	Phone#: 610-382-1170	Cell Phone #:	E-mail: andy.frebowitz@tetratech.com
Contractor: TtNUS - Sub; Etech - Prime	EPA CO/PO: Chris Nolte/Megan Quinn - EPA HQTRS		
#Samples 24	Matrix: soil	Parameter: TCL VOC* MITKEM	Method: SOM01.2 3007
#Samples 24	Matrix: soil	Parameter: TCL SVOC*	Method: SOM01.2 3007S
#Samples 24	Matrix: soil	Parameter: TAL Metals/Mercury* DHTHC	Method: ILM05.4 ICP-AES 2019
#Samples	Matrix:	Parameter:	Method:
#Samples	Matrix:	Parameter:	Method:
#Samples	Matrix:	Parameter:	Method:
#Samples	Matrix:	Parameter:	Method:
#Samples	Matrix:	Parameter:	Method:
#Samples	Matrix:	Parameter:	Method:
Ship Date From: 12/18/08	Ship Date To: 12/22/08	Org. Validation Level M2	Inorg. Validation Level IM1

Unvalidated Data Requested: ☒ No ☐ Yes If Yes, TAT Needed: ☐ 14days ☐ 7days ☐ 72hrs ☐ 48hrs ☐ 24hrs ☐ Other (Specify)

Validated Data Package Due: ☐ 42 days ☒ 30 days ☐ 21days ☐ 14 days ☐ Other (Specify) 14/16

Electronic Data Deliverables Required: ☐ No ☒ Yes (EDDs will be provided in Region 3 EDD Format)

Special Instructions: *See attached tables for compound list and detection limits.

Samples submitted to the CLP for analysis will be paid for using EPA HQTRS funds and CLP data will be validated by ESAT using EPA R3's "ESAT buy-in" funding (Brownfields monies). Costs associated with SMO support will also be paid for using HQTRS funds. The point-of-contact for CLP and SMO funding issues is Danita Bowling (212-566-2025). The point-of-contact for ESAT funding issues is Drew Lausch, EPA R3 TBA Coordinator (215-814-3359).

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 38146 **R**
DAS No:

Region:	3
Project Code:	CT4439
Account Code:	2009B03W402D43C0300BZ00
CERCLIS ID:	
Spill ID:	00
Site Name/State:	Lemon Ridge (38146)/PA
Project Leader:	Andy Frebowitz
Action:	Brownfields Site
Sampling Co:	Tetra Tech NUS, Inc.

Date Shipped:	12/22/2008
Carrier Name:	FedEx
Airbill:	8641-8687-4417
Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400

Chain of Custody Record

Sampler Signature: Megan Ritchie

Relinquished By (Date / Time)	Received By (Date / Time)
1 Megan Ritchie 12/22/08 1630	
2	
3	
4	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
C0071	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	662 (Ice Only), 663 (Ice Only), 664 (Ice Only), 665 (Ice Only) (4)	LRGI-DUP-01	S: 12/22/2008 10:00	MC0071	Field Duplicate
C0072	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	667 (Ice Only), 668 (Ice Only), 669 (Ice Only), 670 (Ice Only) (4)	LRGI-DUP-02	S: 12/22/2008 15:25	MC0072	Field Duplicate
C0073	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	672 (Ice Only), 673 (Ice Only), 674 (Ice Only), 675 (Ice Only) (4)	LRGI-SB-01-0203	S: 12/22/2008 8:25	MC0073	--
C0074	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	677 (Ice Only), 678 (Ice Only), 679 (Ice Only), 680 (Ice Only) (4)	LRGI-SB-02-0203	S: 12/22/2008 8:40	MC0074	--
C0075	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	682 (Ice Only), 683 (Ice Only), 684 (Ice Only), 685 (Ice Only) (4)	LRGI-SB-03-0203	S: 12/22/2008 9:00	MC0075	--
C0076	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	687 (Ice Only), 688 (Ice Only), 689 (Ice Only), 690 (Ice Only) (4)	LRGI-SB-04-0203	S: 12/22/2008 9:20	MC0076	--
C0077	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	692 (Ice Only), 693 (Ice Only), 694 (Ice Only), 695 (Ice Only) (4)	LRGI-SB-05-0203	S: 12/22/2008 9:50	MC0077	--
C0078	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	697 (Ice Only), 698 (Ice Only), 699 (Ice Only), 700 (Ice Only) (4)	LRGI-SB-06-0203	S: 12/22/2008 10:20	MC0078	--
C0079	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	702 (Ice Only), 703 (Ice Only), 704 (Ice Only), 705 (Ice Only) (4)	LRGI-SB-07-0203	S: 12/22/2008 11:05	MC0079	--
C0080	Soil (0"-12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	707 (Ice Only), 708 (Ice Only), 709 (Ice Only), 710 (Ice Only) (4)	LRGI-SS-01	S: 12/22/2008 8:10	MC0080	--

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: C0087	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

BNA = CLP TCL Semivolatiles, VOA = CLP TCL Volatiles

TR Number: 3-550332179-122208-0002

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 38146 **R**
DAS No:

Region:	3	**Date Shipped:**	12/22/2008	**Chain of Custody Record**	**Sampler Signature:** Megan Ritchie
Project Code:	CT4439	**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:	2009B03W402D43C0300BZ00	**Airbill:**	8641-8687-4417	Megan Ritchie 12/22/08 1630	
CERCLIS ID:		**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	2	
Spill ID:	00			3	
Site Name/State:	Lemon Ridge (38146)/PA			4	
Project Leader:	Andy Frebowitz				
Action:	Brownfields Site				
Sampling Co:	Tetra Tech NUS, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
C0081	Soil (0"-12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	712 (Ice Only), 713 (Ice Only), 714 (Ice Only), 715 (Ice Only) (4)	LRGI-SS-02	S: 12/22/2008 8:25	MC0081	--
C0082	Soil (0"-12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	717 (Ice Only), 718 (Ice Only), 719 (Ice Only), 720 (Ice Only) (4)	LRGI-SS-03	S: 12/22/2008 8:50	MC0082	--
C0084	Soil (0"-12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	728 (Ice Only), 730 (Ice Only), 731 (Ice Only), 732 (Ice Only) (4)	LRGI-SS-05	S: 12/22/2008 9:40	MC0084	--
C0085	Soil (0"-12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	740 (Ice Only), 741 (Ice Only), 742 (Ice Only), 743 (Ice Only) (4)	LRGI-SS-06	S: 12/22/2008 10:05	MC0085	--
C0086	Soil (0"-12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	745 (Ice Only), 746 (Ice Only), 747 (Ice Only), 748 (Ice Only) (4)	LRGI-SS-07	S: 12/22/2008 10:25	MC0086	--
C0087	Soil (0"-12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	751 (Ice Only), 752 (Ice Only), 753 (Ice Only), 754 (Ice Only), 755 (Ice Only), 756 (Ice Only), 757 (Ice Only), 758 (Ice Only), 759 (Ice Only), 760 (Ice Only), 761 (Ice Only) (11)	LRGI-SS-04	S: 12/22/2008 9:15	MC0087	--
C0088	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	763 (Ice Only), 764 (Ice Only), 765 (Ice Only), 766 (Ice Only) (4)	LRGI-SB-08-0203	S: 12/22/2008 11:25	MC0088	--
C0089	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	768 (Ice Only), 769 (Ice Only), 770 (Ice Only), 771 (Ice Only) (4)	LRGI-SB-09-0203	S: 12/22/2008 11:40	MC0089	--

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
	C0087		
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

BNA = CLP TCL Semivolatiles, VOA = CLP TCL Volatiles

TR Number: 3-550332179-122208-0002

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 38146 **R**
DAS No:

Region:	3
Project Code:	CT4439
Account Code:	2009B03W402D43C0300BZ00
CERCLIS ID:	
Spill ID:	00
Site Name/State:	Lemon Ridge (38146)/PA
Project Leader:	Andy Frebowitz
Action:	Brownfields Site
Sampling Co:	Tetra Tech NUS, Inc.

Date Shipped:	12/22/2008
Carrier Name:	FedEx
Airbill:	8641-8687-4417
Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400

Chain of Custody Record

Sampler Signature: Megan Ritchie

Relinquished By (Date / Time)	Received By (Date / Time)
1 Megan Ritchie 12/22/08 1630	
2	
3	
4	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
C0090	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	773, 774 (Ice Only), 775 (Ice Only), 776 (Ice Only) (4)	LRGI-SB-10-0203	S: 12/22/2008 12:10	MC0090	--
C0091	Soil (>12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	778 (Ice Only), 779 (Ice Only), 780 (Ice Only), 781 (Ice Only) (4)	LRGI-SB-11-0203	S: 12/22/2008 12:45	MC0091	--
C0092	Soil (0"-12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	783 (Ice Only), 784 (Ice Only), 785 (Ice Only), 786 (Ice Only) (4)	LRGI-SS-08	S: 12/22/2008 13:30	MC0092	--
C0093	Soil (0"-12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	788 (Ice Only), 789 (Ice Only), 790 (Ice Only), 791 (Ice Only) (4)	LRGI-SS-09	S: 12/22/2008 11:55	MC0093	--
C0094	Soil (0"-12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	793 (Ice Only), 794 (Ice Only), 795 (Ice Only), 796 (Ice Only) (4)	LRGI-SS-10	S: 12/22/2008 12:20	MC0094	--
C0095	Soil (0"-12")/ Megan Ritchie	L/G	BNA (14), VOA (14)	798 (Ice Only), 799 (Ice Only), 800 (Ice Only), 801 (Ice Only) (4)	LRGI-SS-11	S: 12/22/2008 13:00	MC0095	--

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: C0087	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment [illegible]? _____

BNA = CLP TCL Semivolatiles, VOA = CLP TCL Volatiles

TR Number: 3-550332179-122208-0002

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

"Ritchie, Megan"
<Megan.Ritchie@tetratech.com>
01/07/2009 11:52 AM

To Lisa Penix/ESC/R3/USEPA/US, Khin-Cho Thaung/ESC/R3/USEPA/US@EPA, Chris Nolte/RTP/USEPA/US@EPA, Megan
cc Dan Slizys/ESC/R3/USEPA/US@EPA, John Kwedar/ESC/R3/USEPA/US@EPA, Carroll Harris/ESC/R3/USEPA/US@EPA, Victor
bcc

Subject RE: Clarification needed for RAS case 38146 - Lemon Ridge Garden Brownfields

Lisa,

The field duplicate pairs for 38146 are:

MC0071 and MC0077
C0071 and C0077
MC0072 and MC0086
C0072 and C0086

Thank you,
Megan

-----Original Message-----
From: Penix.Lisa@epamail.epa.gov [mailto:Penix.Lisa@epamail.epa.gov]
Sent: Wednesday, January 07, 2009 11:06
To: Thaung.Khin-Cho@epamail.epa.gov; Nolte.Chris@epamail.epa.gov; Quinn.Megan@epamail.epa.gov; Rotstein.Phil@epamail.epa.gov
Cc: Slizys.Dan@epamail.epa.gov; Kwedar.John@epamail.epa.gov; Harris.Carroll@epamail.epa.gov; Yastrop.Victor@epamail.epa.gov; Snyder.Judy@epamail.epa.gov; Ritchie, Megan; Frebowitz, Andy
Subject: Clarification needed for RAS case 38146 - Lemon Ridge Garden Brownfields

Disclaimer: Information contained below does not constitute technical direction. The Sampling/Field contractor shall contact their applicable EPA Contracting Officer Representative (COR) for technical direction

Case: 38146
Lab: DATAC; MITKEM
SDGs: MC0071; C0071

Site: Lemon Ridge Garden Brownfields
EPA Project Leader: Phil Rotstein
Site Leader: Andrew Frebowitz

Clarification is needed for this case.

1. Sample number MC0071 is listed on TR # 3-550332179-122208-0001 as a "Field Duplicate" but the duplicate pair is not given.

2. Sample number MC0072 is listed on TR # 3-550332179-122208-0001 as a "Field Duplicate" but the duplicate pair is not given.

3. Sample number C0071 is listed on TR # 3-550332179-122208-0002 as a "Field Duplicate" but the duplicate pair is not given..

4. Sample number C0072 is listed on TR # 3-550332179-122208-0002 as a "Field Duplicate" but the duplicate pair is not given..

Please feel free to contact me with any questions.

Lisa D. Penix
ESAT Region 3
Lockheed Martin Enterprise Solutions & Services EPA Environmental Science Center
701 Mapes Road
Fort Meade, MD 20755
Telephone (410) 305 - 3020
Fax (410) 305 - 3095
email: Penix.Lisa@epamail.epa.gov

Agnes Huntley [Mitkem]

From: Walsh, Colin [cwalsh20@fedcsc.com]
Sent: Monday, December 29, 2008 8:37 AM
To: Agnes Huntley [Mitkem]
Cc: slizys.dan@epa.gov; Harris.Carroll@epamail.epa.gov; thaung.khin-cho@epa.gov; kwedar.john@epa.gov
Subject: Region 03 | Case 38146 | Lab MITKEM | Issue Insufficient/inappropriate designation of laboratory QC | FINAL

Agnes,

Sorry for the delay. You sent the issue below to my other CSC email address, so I didn't see it until now.

Summary Start
Issue: Laboratory QC is designated on the TR/COC for VOA/SVOA sample C0087; however, the Scheduling Notification indicates that laboratory QC is not required for VOA/SVOA.

Resolution: In accordance with previous direction from Region 3, the laboratory will note the issue in the Case/SDG Narrative and proceed with the analysis of the samples. This Region only requires laboratory QC on the Pest and/or ARO fraction for Organic analysis. The resolution will be applied to all TR/COCs received for this Case that designate a sample for VOA, TVOA, and/or SVOA laboratory QC.
Summary End

Please let me know if you have any further questions or problems.

Thanks,

Colin

Colin G. Walsh
Environmental Coordinator - Region 3
CSC

15000 Conference Center Drive, Chantilly, VA 20151
Civil Division | (p) 703-818-4544 | (f) 703-818-4602 | cwalsh20@fedcsc.com | www.csc.com

---

From: Colin Walsh [mailto:cwalsh20@csc.com]
Sent: Monday, December 29, 2008 8:29 AM
To: Walsh, Colin
Subject: Fw: Case 38146

Colin G. Walsh
Environmental Coordinator - Region 3
CSC

15000 Conference Center Drive, Chantilly, VA 20151
Civil Division | (p) 703-818-4544 | (f) 703-818-4602 | cwalsh20@fedcsc.com | www.csc.com

----- Forwarded by Colin Walsh/CIV/CSC on 12/29/2008 08:28 AM -----

"Agnes Huntley [Mitkem]" <agnes_ng@mitkem.com>

12/23/2008 03:54 PM

To Colin Walsh/CIV/CSC@CSC

cc

Subject Case 38146

HI Colin,

Sample C0087 is designated as the sample for laboratory QC. The analyses for this sample are VOA and SVOA. The scheduling notification form notes that laboratory QC is not required for VOA and SVOA. Are we to perform laboratory QC?

Thank you,

Agnes (Ng) Huntley
CLP Project Manager
Mitkem Laboratories
A Division of Spectrum Analytical, Featuring Hanibal Technology
(P) 401-732-3400 x316
(F) 401-732-3499

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Appendix D

Laboratory Case Narrative

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to USEPA Case # 38146 and SDG# C0071. Analyses were performed for twenty soil samples that were received on December 23, 2008. The analyses were performed under USEPA Contract # EP-W-05-030. Please note that two sample-shipping coolers were received on December 23. The coolers were measured at 2°C and 3°C.

Sample C0087 is designated as the sample for laboratory QC. The scheduling notification form notes that laboratory QC is not required for the VOA and SVOA analysis. Per the Region, laboratory QC is not required for VOA and SVOA.

The following samples are submitted in this data package:

Client ID	Lab ID	Analysis
C0071	G2408-01A	S
C0071	G2408-01B	V
C0072	G2408-02A	S
C0072	G2408-02B	V
C0072RE	G2408-02BRA	V
C0073	G2408-03A	S
C0073DL	G2408-03ADL	S
C0073	G2408-03B	V
C0073RE	G2408-03BRA	V
C0074	G2408-04A	S
C0074	G2408-04B	V
C0074RE	G2408-04BRA	V
C0075	G2408-05A	S
C0075	G2408-05B	V
C0075RE	G2408-05BRA	V
C0076	G2408-06A	S
C0076	G2408-06B	V
C0076RE	G2408-06BRA	V
C0077	G2408-07A	S
C0077	G2408-07B	V
C0077RE	G2408-07BRA	V
C0078	G2408-08A	S
C0078	G2408-08B	V
C0078RE	G2408-08BRA	V
C0079	G2408-09A	S
C0079	G2408-09B	V
C0079RE	G2408-09BRA	V
C0080	G2408-10A	S
C0080	G2408-10B	V

C0081	G2408-11A	S
C0081DL	G2408-11ADL	S
C0081	G2408-11B	V
C0082	G2408-12A	S
C0082	G2408-12B	V
C0084	G2408-13A	S
C0084DL	G2408-13ADL	S
C0084	G2408-13B	V
C0084RE	G2408-13BRA	V
C0085	G2408-14A	S
C0085DL	G2408-14ADL	S
C0085	G2408-14B	V
C0085RE	G2408-14BRA	V
C0086	G2408-15A	S
C0086	G2408-15B	V
C0087	G2408-16A	S
C0087DL	G2408-16ADL	S
C0087	G2408-16B	V
C0088	G2408-17A	S
C0088DL	G2408-17ADL	S
C0088	G2408-17B	V
C0088RE	G2408-17BRA	V
C0089	G2408-18A	S
C0089DL	G2408-18ADL	S
C0089	G2408-18B	V
C0089RE	G2408-18BRA	V
C0090	G2408-19A	S
C0090DL	G2408-19ADL	S
C0090	G2408-19B	V
C0090RE	G2408-19BRA	V
C0091	G2408-20A	S
C0091	G2408-20B	V

V = Low/Medium Volatiles
S = Semivolatiles

The analyses were performed using USEPA CLP Multi-Media, Multi-Concentration (SOM01.2) protocols. The analyses were performed with strict adherence to the SOW with the following exceptions and observations:

1. Overall Observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

2. Low/Med Volatile Analysis:

Trap used for instrument V5: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

cis-1,3-Dichloropropene-d4 was detected in method blanks and in samples. The volatile organic deuterated monitoring compound spike solution contains both the cis- and trans-1,3-dichloropropene isomers. cis-1,3-Dichloropropene-d4 is not a dueterated monitoring compound for SOM01.2, while the trans isomer is. The cis isomer is considered a laboratory artifact, and is not reported as a tentatively identified compound.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

The following equation was used to calculate the concentration of target analytes for low-level soil samples:

$$\text{Concentration } (\mu\text{g/Kg}) = \frac{(\text{Amt})(\text{DF})(\text{UF})(5)}{\left(\frac{Ws * (100 - M)}{100}\right)}$$

where: Amt = on-column amount on raw data
DF = Dilution factor
UF = ng unit correction factor
Ws = Weight of sample extracted (g)
M = %moisture (not decanted)

The following equation was used to calculate the Amt in the previous equations:

$$Amt = \frac{(A_x)(IS)}{(A_{is})(RRF)}$$

where: A_x = area of the characteristic ion for the compound to be measured
A_{is} = area of the characteristic ion for the associated internal standard
IS = concentration of internal standard in ug/L
RRF = relative response factor

The VOA soil sample was received in Encore. The samples were logged in, labeled and transferred to the VOA laboratory. Once in the VOA lab, the samples were extruded into pre-weighed VOA vials and then frozen until time of analysis.

DMC recoveries were within the QC limits with the exception of high recovery of vinyl chloride-d3, chloroethane-d5, benzene-d6 and 1,2-dichloropropane-d6 in sample C0072, high recovery of vinyl chloride-d3, chloroethane-d5, chloroform-d, benzene-d6, 1,2-dichloropropane-d6 and toluene-d8 and low recovery of 2-hexanone-d5 in sample C0073, high recovery of vinyl chloride-d3, chloroethane-d5, 1,1-dichloroethene-d2, chloroform-d, benzene-d6, 1,2-dichloropropane-d6, toluene-d8 and 1,4-dioxane-d8 and no recovery of 2-hexanone-d5 and 1,2-dichlorobenzene-d4 in sample C0074, high recovery of vinyl chloride-d3, chloroethane-d5, chloroform-d, 1,2-dichloroethane-d4, benzene-d6, 1,2-dichloropropane-d6 and 1,1,2,2-tetrachloroethane-d2 and no recovery of trans-1,3-dichloropropene-d4, 2-hexanone-d5 and 1,4-dioxane-d8 in sample C0075, high recovery of vinyl chloride-d3, chloroethane-d5, chloroform-d, 1,2-dichloroethan-d4, benzene-d6, 1,2-dichloropropane-d6, toluene-d8 and 1,1,2,2-tetrachloroethane-d2 and no recovery of trans-1,3-dichloropropene-d4, 2-hexanone-d5, 1,4-dioxane-d8 and 1,2-dichlorobenzene-d4 in sample C0076, high recovery of vinyl chloride-d3, chloroethane-d5, chloroform-d, 1,2-dichloroethan-d4, benzene-d6, 1,2-dichloropropane-d6 and 1,1,2,2-tetrachloroethane-d2, low recovery of trans-1,3-dichloropropene-d4 and no recovery of 2-hexanone-d5, 1,4-dioxane-d8 and 1,2-dichlorobenzene-d4 in sample C0077, high recovery of vinyl chloride-d3, chloroethane-d5, chloroform-d, 1,2-dichloroethane-d4, benzene-d6, 1,2-dichloropropane-d6, 1,4-dioxane-d8, 1,1,2,2-tetrachloroethane-d2 and 1,2-dichlorobenzene-d4, low recovery of trans-1,3-dichloropropene-d4 and no recovery of 2-hexanone-d5 in sample C0078, high recovery of high recovery of vinyl chloride-d3, chloroethane-d5, chloroform-d, 1,2-dichloroethane-d4, 1,2-dichloropropane-d6 and 1,1,2,2-tetrachloroethane-d2 and low recovery of toluene-d8 in sample C0079, high recovery of vinyl chloride-d3, chloroethane-d5, chloroform-d, 1,2-dichloroethane-d4 and 1,2-dichloropropane-d6 in sample C0084, high recovery of chloroethane-d5, chloroform-d, 1,2-dichloroethane-d4, benzene-d6, 1,2-dichloropropane-d6 chloroethane-d5, chloroform-d, 1,2-dichloroethane-d4 and 1,2-dichloropropane-d6 in sample C0085, high recovery of 1,2-dichloropropane-d6 and low recovery of 2-hexanone-5 in sample C0088, high recovery of vinyl chloride-d3, chloroethane-d5, chloroform-d, benzene-d6, 1,2-dichloropropane-d6 and toluene-d8, low recovery of 2-butanone-d5 and trans-1,3-

dichloropropene-d4 and no recovery of 2-hexanone-d5 in sample C0089 and high recovery of vinyl chloride-d3, chloroethane-d5, 1,2-dichloroethane-d4, benzene-d6 and 1,2-dichloropropane-d6, low recovery of trans-1,3-dichloropropene-d4 and no recovery of 2-hexanone-d5 in sample C0090. Matrix interference confirmed on DMC recoveries for samples C0072, C0073, C0074, C0076, C0077, C0078 and C0079 as the samples were re-analyzed with similar findings.

Internal standard area counts were within QC criteria with the exception of samples C0072, C0073, C0074, C0075, C0076, C0077, C0078, C0079, C0084, C0085, C0088, C0089 and C0090. Matrix interference confirmed on internal standard area counts for samples C0072, C0073, C0074, C0075, C0076, C0077, C0078, C0079, C0084, C0085, C0088, C0089 and C0090, as the samples were re-analyzed with similar findings.

For 1,4-dioxane and 1,4-dioxane-d8, the laboratory was unable to meet the minimum average RRF of 0.0050 in the initial calibration. In our experience, this compound will not reliably achieve the SOM method performance criteria due to its high water solubility. This compound is able to be reliably analyzed as an extractable semivolatile organic compound.

Ion 100 was used instead of ion 63 for 1,1-dichloroethene-d2. Ion 100 was used instead of ion 63 due to the interference with target compound 1,1-dichloroethene in the calibration standards.

The re-analysis for samples C0072, C0073, C0074, C0075, C0076, C0077, C0078, C0079, C0084, C0085, C0088, C0089 and C0090 are billable. The re-analyses were performed to demonstrate matrix interference on DMC recoveries and/or internal standard area counts. Matrix interference confirmed on DMC recoveries and/or internal standard area counts for samples C0072, C0073, C0074, C0075, C0076, C0077, C0078, C0079, C0084, C0085, C0088, C0089 and C0090, as the re-analyses exhibited findings similar to those of the initial analysis.

No manual integrations were performed.

No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

The following equation was used to calculate the concentration of target analytes for soil samples:

$$\text{Concentration } (\mu\text{g/Kg}) = (\text{Amt})(\text{DF})(\text{Uf})\left(\frac{V_t}{V_i}\right)\left(\frac{1}{Ws}\right)\left(\frac{100}{(100-m)}\right)$$

where: Amt = on-column amount on raw data
DF = Dilution factor
UF = ng unit correction factor
Ws = Weight of sample extracted (g)
M = %moisture (not decanted)

The following equation was used to calculate the Amt in the previous equations:

$$Amt = \frac{(A_x)(IS)}{(A_{is})(RRF)}$$

where: A_x = area of the characteristic ion for the compound to be measured
A_{is} = area of the characteristic ion for the associated internal standard
IS = concentration of internal standard in ug/L
RRF = relative response factor

Alkanes were determined are part of tentatively identified compounds. The alkanes are reported on the Alkane Narrative Report following the SDG narrative.

DMC rerecoveries were within the QC limits with the exception low recovery of 4-chloroaniline-d4 in sample C0081 and DMCs diluted in the diluted analysis for samples C0085, C0088 and C0084.

Sample C0088 was initially analyzed at 30x dilution.

To ensure that all target analytes were determined within the instrument calibration range, the following samples were re-analyzed at dilution: C0073 (8x), C0081 (2x), C0084 (100x), C0085 (8x), C0087 (2x), C0088 (120x), C0089 (16x) and C0090 (2x).

2,4-Dinitrophenol, hexachlorocyclopentadiene, 4,6-dinitro-2-methylphenol and 4,6-dinitro-2-methylphenol-d2 exceeded the %D criteria in closing CCV SSTD0204J and 2,4-dinitrophenol and hexachlorocyclopentadiene exceeded %D criteria in closing CCV SSTD0204L. The associated samples were re-analyzed in which the opening CCVs, SSTD0204I and SSTD0204K were method compliant. Following the analysis of the samples, the ending CCVs SSTD0204J and SSTD0204M did not meet the %D criteria.

Manual integration was performed on the following:
C0071: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0072: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0073: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0073DL: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0074: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0075: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2

C0077: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0078: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0079: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0080: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0081: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0081DL: butylbenzylphthalate due to M1 and benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0082: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0084: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0084DL: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0085: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0085DL: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0086: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0087: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0087DL: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0088: 4-methylphenol-d8, 4,6-dinitro-2-methylphenol-d8 due to M6 and benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0088DL: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0089: butylbenzylphthalate due to M1 and benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0089DL: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0090: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0090DL: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0091: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
SSTD0204J: hexachlorocyclopentadiene due to M6 and 2,4-dinitrophenol due to M7.

No other unusual observation was made for the analysis.

All of the submittals to the region are originals other than logbook pages. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. Tunes, calibration verifications and initial calibrations that are shared among several cases are photocopies indicating the location of the originals.

I certify that this Sample Data Package is in compliance with the terms and condition of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Agnes Huntley
CLP Project Manager
01/05/09

ALKANE NARRATIVE REPORT

Report Date: 01/05/2009

SDG: C0071

Client Sample ID: C0072	Lab Sample ID: G2408-02A		File ID: S4D1485.D
Compound	RT	Est. Conc.	Q
Straight-chain Alkane	14.746	110	J
Straight-chain Alkane	16.185	520	J
Straight-chain Alkane	16.692	92	J
Straight-chain Alkane	18.886	510	J

Client Sample ID: C0081	Lab Sample ID: G2408-11A		File ID: S4D1496.D
Compound	RT	Est. Conc.	Q
Straight-chain Alkane	14.756	2000	J
Straight-chain Alkane	16.216	1300	J

Client Sample ID: C0081DL	Lab Sample ID: G2408-11ADL		File ID: S4D1513.D
Compound	RT	Est. Conc.	Q
Straight-chain Alkane	11.434	260	DJ
Straight-chain Alkane	14.187	1800	DJ
Straight-chain Alkane	14.715	2200	DJ
Straight-chain Alkane	16.154	1200	DJ

Client Sample ID: C0082	Lab Sample ID: G2408-12A		File ID: S4D1488.D
Compound	RT	Est. Conc.	Q
Straight-chain Alkane	14.746	94	J
Straight-chain Alkane	16.185	200	J

Client Sample ID: C0084	Lab Sample ID: G2408-13A		File ID: S4D1498.D
Compound	RT	Est. Conc.	Q
Straight-chain Alkane	16.237	1800	J

Client Sample ID: C0086	Lab Sample ID: G2408-15A		File ID: S4D1487.D
Compound	RT	Est. Conc.	Q
Straight-chain Alkane	14.746	120	J
Straight-chain Alkane	16.185	720	J
Straight-chain Alkane	16.692	140	J
Straight-chain Alkane	18.876	1000	J

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to USEPA Case # 38146 and SDG# C0092. Analyses were performed for twenty soil samples that were received on December 23, 2008. The analyses were performed under USEPA Contract # EP-W-05-030. Please note that the sample-shipping cooler received was measured at 3°C.

The following samples are submitted in this data package:

Client ID	Lab ID	Analysis
C0092	G2409-01A	S
C0092DL	G2409-01ADL	S
C0092	G2409-01B	V
C0093	G2409-02A	S
C0093DL	G2409-02ADL	S
C0093	G2409-02B	V
C0094	G2409-03A	S
C0094DL	G2409-03ADL	S
C0094	G2409-03B	V
C0095	G2409-04A	S
C0095DL	G2409-04ADL	S
C0095	G2409-04B	V

V = Low/Medium Volatiles
S = Semivolatiles

The analyses were performed using USEPA CLP Multi-Media, Multi-Concentration (SOM01.2) protocols. The analyses were performed with strict adherence to the SOW with the following exceptions and observations:

1. Overall Observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.

- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

2. Low/Med Volatile Analysis:

Trap used for instrument V5: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

cis-1,3-Dichloropropene-d4 was detected in method blanks and in samples. The volatile organic deuterated monitoring compound spike solution contains both the cis- and trans-1,3-dichloropropene isomers. cis-1,3-Dichloropropene-d4 is not a dueterated monitoring compound for SOM01.2, while the trans isomer is. The cis isomer is considered a laboratory artifact, and is not reported as a tentatively identified compound.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

The following equation was used to calculate the concentration of target analytes for low-level soil samples:

$$\text{Concentration } (\mu\text{g/Kg}) = \frac{(\text{Amt})(\text{DF})(\text{UF})(5)}{\left(\frac{Ws * (100 - M)}{100}\right)}$$

where: Amt = on-column amount on raw data
DF = Dilution factor
UF = ng unit correction factor
Ws = Weight of sample extracted (g)
M = %moisture (not decanted)

The following equation was used to calculate the Amt in the previous equations:

$$Amt = \frac{(A_x)(IS)}{(A_{is})(RRF)}$$

where: A_x = area of the characteristic ion for the compound to be measured
A_{is} = area of the characteristic ion for the associated internal standard
IS = concentration of internal standard in ug/L
RRF = relative response factor

The VOA soil sample was received in Encore. The samples were logged in, labeled and transferred to the VOA laboratory. Once in the VOA lab, the samples were extruded into pre-weighed VOA vials and then frozen until time of analysis.

Alkanes were determined are part of tentatively identified compounds. The alkanes are reported on the Alkane Narrative Report following the SDG narrative.

DMC recoveries were within the QC limits.

For 1,4-dioxane and 1,4-dioxane-d8, the laboratory was unable to meet the minimum average RRF of 0.0050 in the initial calibration. In our experience, this compound will not reliably achieve the SOM method performance criteria due to its high water solubility. This compound is able to be reliably analyzed as an extractable semivolatile organic compound.

Ion 100 was used instead of ion 63 for 1,1-dichloroethene-d2. Ion 100 was used instead of ion 63 due to the interference with target compound 1,1-dichloroethene in the calibration standards.

No manual integrations were performed.

No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

The following equation was used to calculate the concentration of target analytes for soil samples:

$$\text{Concentration } (\mu\text{g/Kg}) = (\text{Amt})(\text{DF})(\text{Uf})\left(\frac{V_t}{V_i}\right)\left(\frac{1}{\text{Ws}}\right)\left(\frac{100}{(100-m)}\right)$$

where: Amt = on-column amount on raw data
DF = Dilution factor
UF = ng unit correction factor
Ws = Weight of sample extracted (g)
M = %moisture (not decanted)

The following equation was used to calculate the Amt in the previous equations:

$$Amt = \frac{(A_x)(IS)}{(A_{is})(RRF)}$$

where: A_x = area of the characteristic ion for the compound to be measured
A_{is} = area of the characteristic ion for the associated internal standard
IS = concentration of internal standard in ug/L
RRF = relative response factor

Alkanes were determined are part of tentatively identified compounds. The alkanes are reported on the Alkane Narrative Report following the SDG narrative.

DMC rerecoveries were within the QC limits with the exception low recovery of low recovery of 4-chloroaniline-d4 and high recovery of pyrene-d10 in sample C0095, low recovery of 4-chloroaniline-d4 in sample C0093 and low recovery of dimethylphthalate-d6, fluorene-d10, pyrene-d10 and benzo (a) pyrene-d12 in sample C0092. Please note that the recovery of 4-chloroaniline-d4 in sample C0093 is reported as zero on Form II. The recovery is greater than zero, but rounded down to zero for Form II.

Internal standard area counts were within QC criteria with the exception of samples C0093, C0094 and C0095. The samples were re-analyzed at dilution with similar findings.

To ensure that all target analytes were determined within the instrument calibration range, the following samples were re-analyzed at dilution: C0092 (2x), C0093 (20x), C0094 (2x) and C0095 (10x).

Sample C0092 was re-extracted outside of hold time. The initial extraction was within hold time, but had non-compliant DMC recoveries. Please note that only the re-extract has been reported. The diluted analysis was performed on the re-extract.

2,4-Dinitrophenol, hexachlorocyclopentadiene, 4,6-dinitro-2-methylphenol, 4,6-dinitro-2-methylphenol-d2, pentachlorophenol, pyrene, butylbenzylphthalate, bis (2-ethylhexyl) phthalate and di-n-octylphthalate exceeded the %D criteria in closing CCV SSTD0202L. The associated samples were re-analyzed in which the opening CCVs, SSTD0202I and SSTD0202K were method compliant. Following the analysis of the samples, the ending CCVs SSTD0202J and SSTD0202L did not meet the %D criteria.

Manual integration was performed on the following:
C0092: butylbenzylphthalate due to M1 and benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0092DL: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0093: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0093DL: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0094: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0094DL: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
C0095: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2

C0095DL: di-n-octylphthalate, benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
SSTD0802H: benzo (b) fluoranthene and benzo (k) fluoranthene due to M2
SSTD0204P: benzo (b) fluoranthene and benzo (k) fluoranthene due to M5.

No other unusual observation was made for the analysis.

All of the submittals to the region are originals other than logbook pages. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. Tunes, calibration verifications and initial calibrations that are shared among several cases are photocopies indicating the location of the originals.

I certify that this Sample Data Package is in compliance with the terms and condition of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Agnes Huntley
CLP Project Manager
01/05/09

ALKANE NARRATIVE REPORT
Report Date: 01/05/2009
SDG: C0092

Client Sample ID: C0094	Lab Sample ID: G2409-03A		File ID: S2G0995.D
Compound	RT	Est. Conc.	Q
Straight-chain Alkane	19.913	1800	J
Straight-chain Alkane	20.601	1200	J

Client Sample ID: C0094DL	Lab Sample ID: G2409-03ADL		File ID: S2G0994.D
Compound	RT	Est. Conc.	Q
Straight-chain Alkane	20.594	870	DJ